



# CONSTRUCTION EQUIPMENT

## 467711 DCF VOLVO EC350 310329 - HYDRAULIC SYSTEM



**Sample No:** VCP439086  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** 467711 DCF



### SAMPLE INFORMATION

Sample Number	<b>VCP439086</b>	VCP308242	VCP283322	---
Sample Date	<b>25 Jan 2024</b>	28 Apr 2021	06 Jul 2020	---
Machine Hours	<b>6518</b>	3834	3070	---
Oil Hours	<b>0</b>	0	0	---
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	---
Sample Status	<b>NORMAL</b>	ABNORMAL	NORMAL	---

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### OIL CONDITION

Visc @ 40°C	cSt	<b>43.8</b>	42.4	42.2	---
Acid Number (AN)	mg KOH/g	<b>0.39</b>	0.414	0.429	---



### CONTAMINATION

Water	%	<b>NEG</b>	NEG	NEG	---
Particles >4µm		<b>3293</b>	---	23663	---
Particles >6µm		<b>819</b>	---	4436	---
Particles >14µm		<b>95</b>	---	139	---
ISO 4406:1999 (c)		<b>19/17/14</b>	---	22/19/14	---
Silicon	ppm	<b>6</b>	4	4	---
Sodium	ppm	<b>0</b>	<1	<1	---
Potassium	ppm	<b>8</b>	<1	<1	---

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



### WEAR METALS

Iron	ppm	<b>15</b>	7	4	---
Copper	ppm	<b>22</b>	27	22	---
Lead	ppm	<b>&lt;1</b>	<1	<1	---
Tin	ppm	<b>&lt;1</b>	<1	<1	---
Aluminum	ppm	<b>2</b>	1	<1	---
Chromium	ppm	<b>&lt;1</b>	<1	<1	---
Molybdenum	ppm	<b>5</b>	<1	<1	---
Nickel	ppm	<b>0</b>	0	0	---
Titanium	ppm	<b>&lt;1</b>	0	<1	---
Silver	ppm	<b>0</b>	0	<1	---
Manganese	ppm	<b>0</b>	0	<1	---
Vanadium	ppm	<b>0</b>	0	0	---



### ADDITIVES

Calcium	ppm	<b>123</b>	81	71	---
Magnesium	ppm	<b>11</b>	3	3	---
Zinc	ppm	<b>400</b>	426	443	---
Phosphorus	ppm	<b>307</b>	365	348	---
Barium	ppm	<b>0</b>	0	<1	---
Boron	ppm	<b>3</b>	2	1	---

**Depot:** VOLVO0093  
**Unique No:** 10856728  
**Signed:** Wes Davis  
**Report Date:** 31 Jan 2024

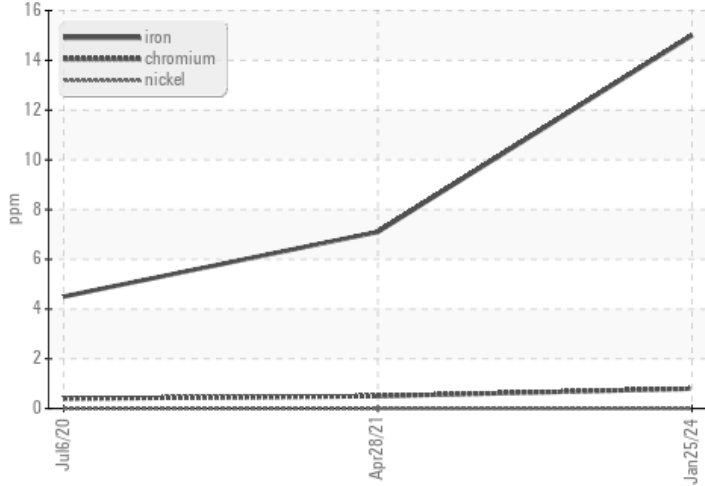


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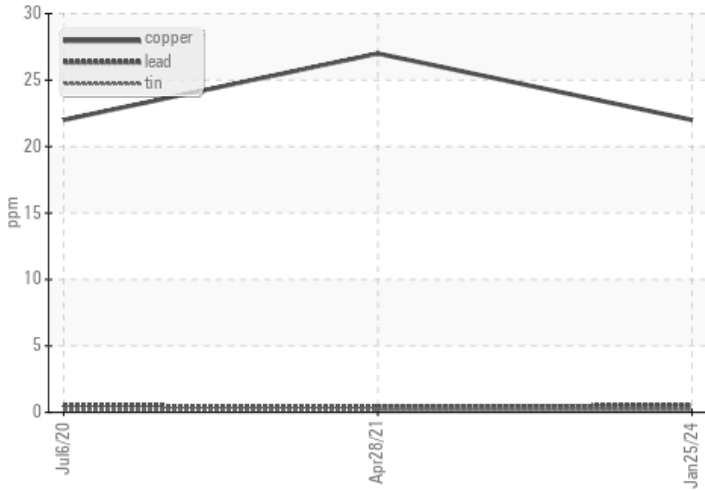


## VOLVO GRAPHS

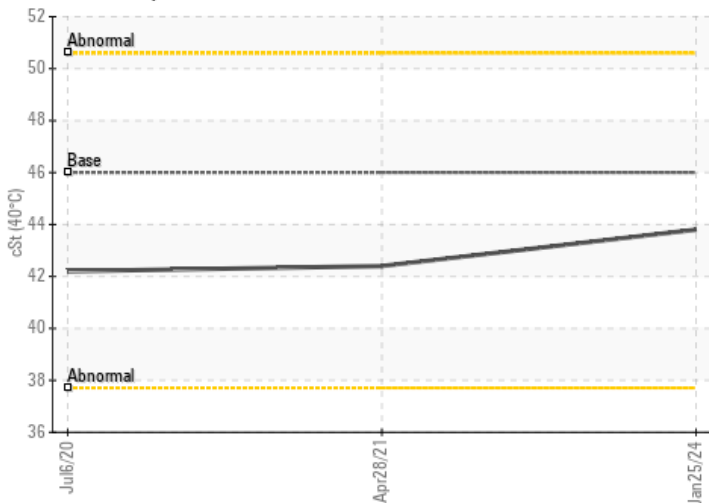
### Ferrous Alloys



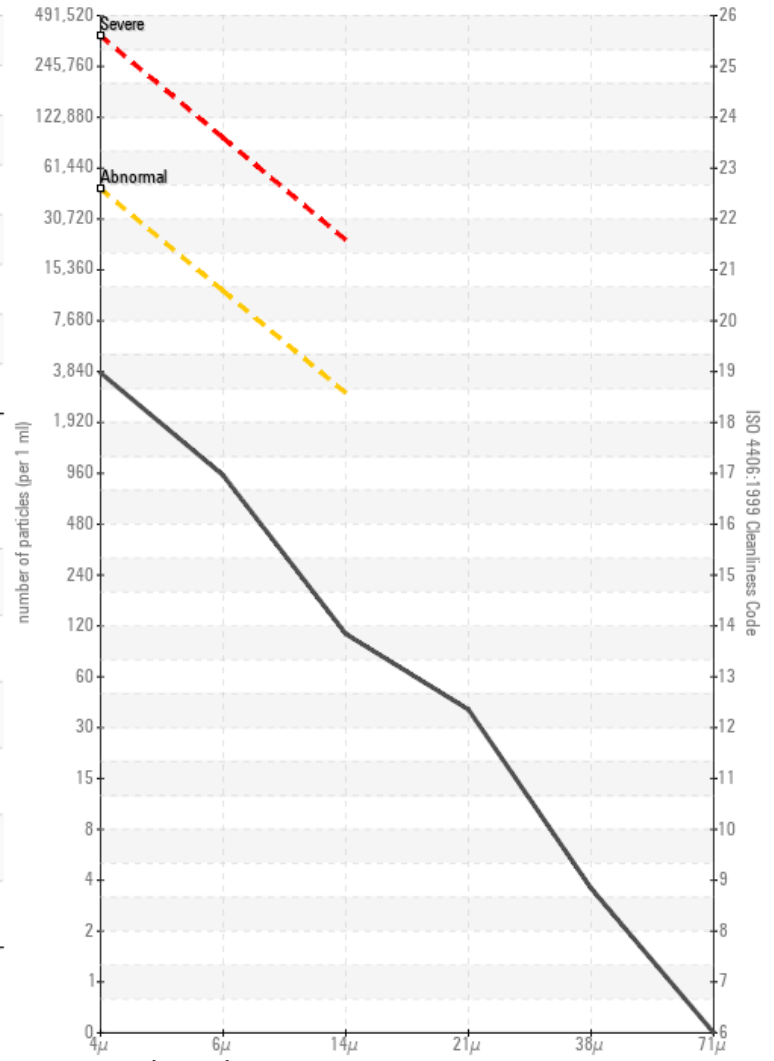
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

